

April 13, 2000

Rusty Netz
Sunnyside Cogeneration Associates
PO Box 10
East Carbon, UT 84520
(435) 888-4476

RE: First Quarter 2000 Inspections

Dear Rusty,

On March 21, 2000, Psomas completed the First Quarter Inspection of SCA's Impoundments, Refuse Pile, and Excess Spoil Disposal Areas. These areas appeared stable, with no structural weakness or hazardous conditions. In general, the site appeared in good condition and well maintained.

I have enclosed the certified inspection reports associated with each facility.

Please feel free to call me at (801) 270-5777 if you have any questions.

Sincerely,

Scott

S. Scott Carlson, P.E.
Project Manager

Enclosure

RECEIVED
APR 19 2000
DIVISION OF
OIL, GAS AND MINING

File in:

☐ Confidential

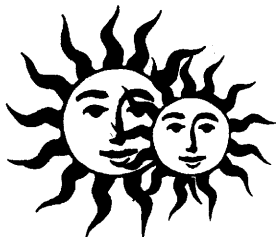
☐ Shelf

☒ Expandable

Refer to Record No. 0010 Date 04/17/2000
In CR0070035-2000 Submitting
For additional information

2825 E. Cottonwood Parkway
Suite 120
Salt Lake City, UT 84121

801.270.5777
801.270.5782 Fax
www.psomas.com



Sunnyside Cogeneration Associates

COPY

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

April 17, 2000

Daron Haddock
STATE OF UTAH
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: First Quarter 2000 Inspection Report

Dear Mr. Haddock:

Please find enclosed a copy of the First Quarter 2000 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas. The inspection was performed by a professional engineer from Psomas and Associates Engineering.

Should you have any questions, please contact Rusty Netz at (435) 888-4476.

RECEIVED

APR 19 2000

DIVISION OF
OIL, GAS AND MINING

Sincerely,

Agent For
Sunnyside Cogeneration Associates

Randy J. Scott

Randy J. Scott
Plant Manager

Enclosure

c.c. Bill Malencik/Division of Oil, Gas & Mining
Rusty Netz, COSI
Plant File

File in:

C 0070035 2000 Incoming

Refer to:

☐ Confidential

☐ Shelf

☒ Expandable

Date 4/17/00 For additional information

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	Clear Water Pond	
	Impoundment Number	004	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 4.9 acre-feet Maximum Sediment Depth Elevation = 6527 Existing Sediment Elevation = 6523+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6530.1</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Clear Water Pond

- 4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exist.

- 5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Pond was dry.

No structure or stability problems observed.

Reclamation of the Sunnyside Coal Property is currently underway. Among the facilities being reclaimed is the Slurry Ditch which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds which previously contributed to these ponds are no longer doing so.

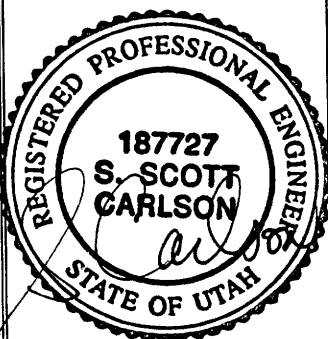
In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed directly to either the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the stormflows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: 

Date: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	
CERTIFIED REPORT		
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	
COMMENTS AND OTHER INFORMATION		
None		
Certification Statement: 	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson</u> Project Manager <small>(Full Name and Title)</small></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>04/13/00</u></p> <p>P.E. Number & State: <u>187727 UT</u></p>	

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	Railcut Sediment Pond	
	Impoundment Number	007	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 4.8 acre-feet Maximum Sediment Depth Elevation = 6207.7 Estimated Existing Sediment Elevation = 6207+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6212.34 Primary Drain Elevation = 6209.07</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Railcut Pond

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. Pond was dry. No structure or stability problems observed.

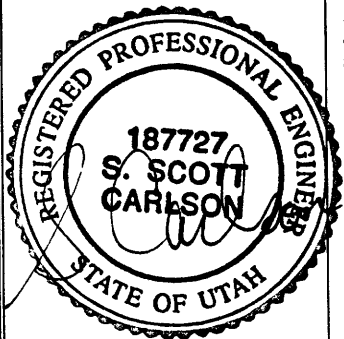
**Qualification
Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature:



Date: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
CERTIFIED REPORT			
IMPOUNDMENT EVALUATION (If NO, explain under Comments)		YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?		yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?		yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		yes	
COMMENTS AND OTHER INFORMATION			
None			
Certification Statement: 		<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson, P.E. Project Manager</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>04/13/00</u></p> <p>P.E. Number & State: <u>187727 - UT</u></p>	

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	Old Coarse Refuse Road Sediment Pond	
	Impoundment Number	008	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 0.9 acre-feet Maximum Sediment Depth Elevation = 6394.75 Estimated Existing Sediment Elevation = 6394+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6399.4 Primary Drain Elevation = 6395.75</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

OCRR Pond

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, pond was dry, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

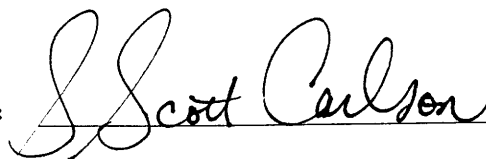
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, no structure or stability problems observed.

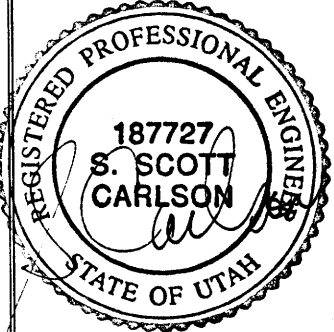
**Qualification
Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature:



Date: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
CERTIFIED REPORT			
IMPOUNDMENT EVALUATION (If NO, explain under Comments)		YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?		yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?		yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		yes	
COMMENTS AND OTHER INFORMATION			
<div style="margin-left: 40px;">none</div>			
Certification Statement: 		<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson, P.E. Project Manager</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>04/13/00</u></p> <p>P.E. Number & State: <u>187727 - UT</u></p>	

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	Pasture Sediment Pond	
	Impoundment Number	009	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.0 acre-feet Maximum Sediment Depth Elevation = 6485.5 Estimated Existing Sediment Elevation = 6484+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6490.6 Primary Drain Elevation = 6486.6</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Pond

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was dry.

No discharge, inlet/outlet conditions are good,

No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

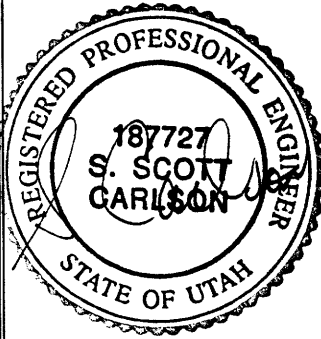
No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: 

Date: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
CERTIFIED REPORT			
IMPOUNDMENT EVALUATION (If NO, explain under Comments)		YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?		yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?		yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		yes	
COMMENTS AND OTHER INFORMATION			
<p>none</p>			
Certification Statement: 	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson - Project Manager</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>04/13/00</u></p> <p>P.E. Number & State: <u>187727 - UT</u></p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	New Coarse Refuse Toe Sediment Pond	
	Impoundment Number	012	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.6 acre-feet Maximum Sediment Depth Elevation = 6177.0 Estimated Existing Sediment Elevation = 6176+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6183.63 Primary Drain Elevation = 6178.2</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

CRT Pond

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was dry.

No discharge, inlet/outlet conditions are good,

No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

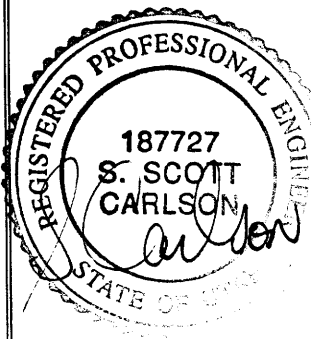
No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: 

Date: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
CERTIFIED REPORT			
IMPOUNDMENT EVALUATION (If NO, explain under Comments)		YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?		yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?		yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		yes	
COMMENTS AND OTHER INFORMATION			
None			
Certification Statement: 		<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson - Project Manager</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>04/13/00</u></p> <p>P.E. Number & State: <u>187727 - UT</u></p>	

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	Coal Runoff Sediment Pond	
	Impoundment Number	014	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.5 acre feet Maximum Sediment Depth Elevation = 6476.0 Estimated Existing Sediment Elevation = 6474±</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6477.9 Emergency Spillway Elevation = 6479.0</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

COAL RUNOFF POND

- 4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had very little water in it.
No discharge, inlet and outlet conditions are good.
No structural or hazardous conditions exist.

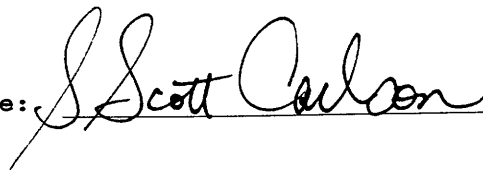
- 5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

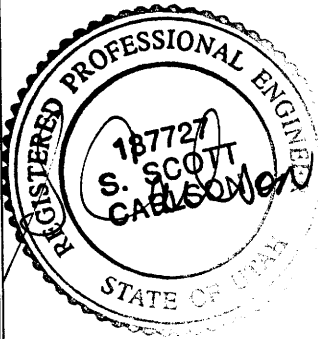
Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____

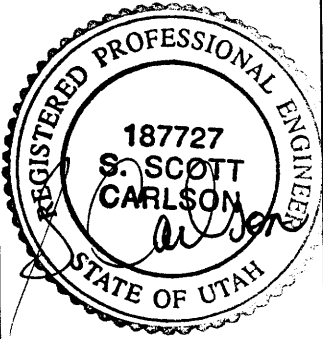


Date: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	
CERTIFIED REPORT		
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	
COMMENTS AND OTHER INFORMATION		
None		
Certification Statement: 	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson - Project Manager</u> (Full Name and Title)</p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>04/13/00</u></p> <p>P.E. Number & State: <u>187727 - UT</u></p>	

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	Borrow Area Pond	
	Impoundment Number	016	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 8.3 acre-feet Maximum Sediment Depth Elevation = 6513.3 Estimated Existing Sediment Elevation = 6511+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6517.03 Primary Drain Elevation = 6514.3</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	
<p>4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.</p> <p>Pond was dry. No discharge, inlet/outlet conditions are good, No structural or hazardous conditions exist.</p>		
<p>5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.</p> <p>No changes. No structure or stability problems observed.</p>		
Qualification Statement	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.</p> <p>Signature: <u>Scott Carlson</u> Date: <u>04/13/00</u></p>	

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
CERTIFIED REPORT			
IMPOUNDMENT EVALUATION (If NO, explain under Comments)		YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?		yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?		yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		yes	
COMMENTS AND OTHER INFORMATION			
<p style="margin-left: 40px;">none</p>			
Certification Statement: <div style="text-align: center;">  </div>	<p>I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson, P.E. Project Manager</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>04/13/00</u></p> <p>P.E. Number & State: <u>187727 Utah</u></p>		

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	Report Date 04/13/00
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	File Name:	Coarse Refuse Pile
	File Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	03/21/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000
		Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Field Evaluation		
1. Foundation preparation, including the removal of all organic material and topsoil. N/A		
2. Placement of underdrains and protective filter systems. N/A		
3. Installation of final surface drainage systems. N/A		
4. Placement and compaction of fill materials. N/A Removal of Coarse and fine Refuse Material Only		

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions.

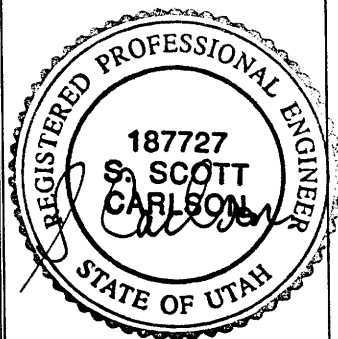
During the fourth quarter 1999, excavation of refuse material had damaged a small portion of the westerly access road around the refuse pile. This quarter's inspection showed that the operator had repaired the road and adjacent ditch and berm.

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Waste Coal Removal

No smokers visible

**Certification
Statement**



I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Project Manager
(Full Name and Title)

Signature: _____

Date: 04/13/00

P.E. Number & State: 187727 - UT



West Cell/Refuse Pile

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	
IMPOUNDMENT INSPECTION			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 27+- acre-feet Maximum Sediment Depth Elevation = N/A Estimated Existing Sediment Elevation = N/A</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>N/A</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

East Slurry Cell

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond surface was dry.
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond. No structural or stability problems observed. Reclamation of the Sunnyside Coal Property is currently underway. Among the facilities being reclaimed is the Slurry Ditch which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds which previously contributed to these ponds are no longer doing so.

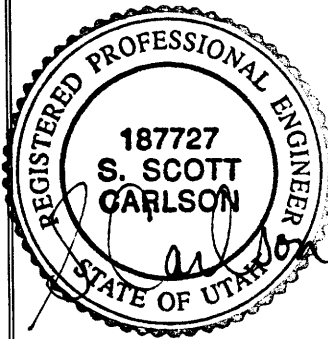
In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed directly to either the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the stormflows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: 

Date: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	
CERTIFIED REPORT		
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	
COMMENTS AND OTHER INFORMATION		
<div style="margin-top: 20px;">none</div>		
Certification Statement: 	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson - Project Manager</u> <small>(Full Name and Title)</small></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>04/13/00</u></p> <p>P.E. Number & State: <u>187727 - UT</u></p>	

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		West Cell	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	West Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-03	
IMPOUNDMENT INSPECTION			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = N/A Maximum Sediment Depth Elevation = N/A Estimated Existing Sediment Elevation = N/A</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>N/A</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

West Cell

- 4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Slurry Cell is Inactive
Refuse Removal

- 5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source

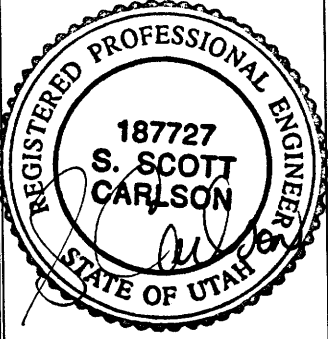
Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature:



Date: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	West Cell	
CERTIFIED REPORT		
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	
COMMENTS AND OTHER INFORMATION		
<div style="margin-bottom: 10px;">none</div>		
Certification Statement: 	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson - Project Manager</u> <small>(Full Name and Title)</small></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>04/13/00</u></p> <p>P.E. Number & State: <u>187727 UT</u></p>	

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	Report Date 04/13/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	File Name:	Excess Spoil Disposal Area #1	
	File Number	N/A	
	MSHA ID Number	1211-UT-09-02093-04	
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
		Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
Field Evaluation			
1. Foundation preparation, including the removal of all organic material and topsoil. N/A			
2. Placement of underdrains and protective filter systems. N/A			
3. Installation of final surface drainage systems. N/A			
4. Placement and compaction of fill materials. Received approximately 250 yds of spoils materials during this Quarter.			

INSPECTION AND CERTIFIED REPORT
ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Pile #1

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions.

None

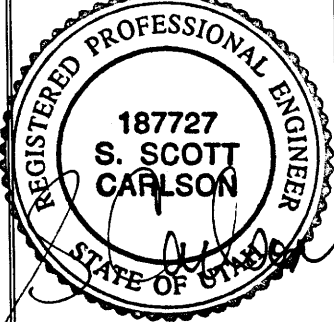
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Construction has been proceeding in shallow lifts in general conformance with the approved plan.

No evidence exists of fires in the pile.

Analytical results from samples taken of the material placed in this disposal area are submitted with this quarter's report.

Certification
Statement



I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Project Manager
(Full Name and Title)

Signature: S. Scott Carlson

Date: 04/13/00

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area # 1

SUNNYSIDE COGENERATION ASSOCIATES - SPOILS AREA SAMPLES - DECEMBER 1999

Sample Site	Spoil #1 E	Spoil #1 C	Spoils #1 W	Spoils #2 C North	Spoils #2 C South
Lab No.	72-00758-1	72-00759-1	72-00760-1	72-00761-1	72-00762-1
Depths					
pH	7.36	6.91	7.24	6.97	7.0
EC (mmhos/cm @ 25 °C)	2.5	12.2	4.74	2.52	2.78
Saturation (%)	28.2	36.6	33.7	28.2	31.9
Calcium (meq/L)	12.0	21.2	24.2	11.2	16.3
Magnesium (meq/L)	12.4	273	40.6	13.4	14.5
Sodium (meq/L)	5.26	10.8	9.43	7.43	7.83
SAR	1.5	0.59	1.65	2.11	1.99
Sand (%)	82	82	80	78	80
Silt (%)	8	6	8	12	8
Clay (%)	10	12	12	10	12
Texture Class	Loamy Sand	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam
Total Sulfur (%)	1.12	1.74	1.19	1.13	0.57
T.S. AP (t/1000t)	35.0	54.3	17.1	35.3	17.8
Neut. Pot. (t/1000t)	38.3	37.4	66.4	86.4	75.8
T.S. ABP (t/1000t)	53.30	-16.9	29.2	51.0	57.9
Nitrate- Nitrogen (ppm)	4.25	86.2	37.6	1.53	1.28
Boron (ppm)	1.66	10.2*	2.16	1.18	1.44
Selenium (ppm)	0.04	0.21	0.04	0.02	0.05
Total Organic Matter (%)					
Carbonates	8.83	3.7	6.64	8.64	7.58

Excess Spoil Area Samples

Overburden Evaluation for Vegetative Root Zone					
Parameters	Sample Site				
	Spoils #1 E	Spoils #1 C	Spoils #1 W	Spoils #2 C North	Spoils #2 C South
pH	Good	Good	Good	Good	Good
Ec mmhos/cm @ 25 °C	Good	Poor	Good	Fair	Fair
Saturation %	Good	Good	Good	Good	Good
Texture	Fair	Good	Good	Good	Good
SAR	Good	Good	Fair	Good	Good
Selenium	Good	Unacceptable	Good	Good	Good
Boron	Good	Unacceptable	Good	Good	Good
Acid / Base Potential	Good	Unacceptable	Good	Good	Good

Parameters	Good	Fair	Poor	Unacceptable
pH	6.1 to 8.2	5.1 to 6.1 8.2 to 8.4	4.5 to 5.0 8.5 to 9.0	< 4.5 > 9.0
Ec mmhos/cm @ 25 °C	0 to 2	2 to 8	8 to 15	> 15
Saturation %	25% to 85%		< 25% > 80%	
Texture	sl, l, sil, scl, vsl, fsl	c, sicl, sc, ls, lfs	sic, s, sc, c, cos, fs, vfs	g, vcos
SAR	0 to 4	5 to 10	10 to 12 fine texture 10 to 15 coarse texture	12 fine texture 15 coarse texture
Selenium	< 0.1 mg/Kg			> 0.1 mg/Kg
Boron	< 5.0 mg/Kg			> 5.0 mg/Kg
Acid / Base Potential	> -5 tons CaCO ₃ / 1,000 tons material			< -5 tons CaCO ₃ / 1,000 tons material



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COMMERCIAL TESTING & ENGINEERING CO.

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4665 PARIS STREET

SUITE B-200

DENVER, CO 80239

TEL: (303) 373-4772

FAX: (303) 373-4791

March 8, 2000

SUNNYSIDE OPERATIONS
P.O. BOX 159
#1 POWER PLANT ROAD
SUNNYSIDE UT 84539

Sample identification by
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOILS #1 E

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received December 28, 1999

Analysis report no. 72-00758-1

PARAMETER	METHOD	RESULTS	UNITS
Solids	CLPSOW390, PART-F,D-98	99.70	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	5.73	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	0.96	%
Nitrogen, total Kjeldahl	M3512-TKN by Block Digester	0.23	%
Total Organic Carbon	EPA 3.2.14	98.8	%

Post-it Fax Note 7871

Date 3-8 1 of 1 pages 25

To Rusty Note

From Laura

Co./Dept.

Co. CTE/Engineering

Phone #

Phone #

Fax #

Fax #

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

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PLEASE ADDRESS ALL CORRESPONDENCE TO:
4865 PARIS, R 200, DENVER, CO 80239
TEL: (303) 373-4172
FAX: (303) 373-4181

March 8, 2000

SUNNYSIDE COGNACERATION SOIL

Location : SEDUIS 41 RASTORFING :
Surface Elevated : Paving :

Lab No.	Depth	Total		AS-DIPA	
		Organic	Matter %	Carbonates	Fragmentation
72-00758-1		8.83	98.8	0.04	0.07

Method Ref.: Wyoming D.S.O., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin WP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Eugene Jones
Denver Laboratory

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4665 PATRIS, P. 210, DENVER, CO 80239
TEL: (303) 873-4712
FAX: (303) 873-4701

March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location : 1 FROTH #1 REBORNDING :
Surface Elevation : Marking :

Lab No.	Depth	Total		T.S.		Heut.		T.S.		Py+Org		Py+Org		Py+Org		Bottom
		Organic	Sulfur	AP	AP	AP	AP	AP	AP	Sulfur	AP	AP	AP	AP	AP	
72-00758-1		%	%	c/1000c	c/1000c	c/1000c	c/1000c	c/1000c	c/1000c	%	c/1000c	c/1000c	c/1000c	c/1000c	c/1000c	
				1.12	35.0	98.3	53.3									

Method Ref.: Wyoming D.E.O., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Spoil Material, University Of Wyoming, College Of Agriculture, Publication WY-87, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. David Jones
Denver Laboratory



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4665 PARIS, B 200, DENVER, CO 80239
TEL: (303) 378 4772
FAX: (303) 378 4791

SUNNYSIDE COGENERATION SOIL

Location : SEDS #1 Refractory :
Surface Elevation : Rating :

Lab No.	Depth	Nitrate			As-DATA		
		Arsenic ppm	Nitrogen ppm	Boron ppm	Molybdenum ppm	Selenium ppm	Selenium ppm
72-00758-1			4.25	1.66		0.01	0.07

Method Ref.: Wyoming D-3-Q, Lead Quality Division Guidelines No. 1, Topsoil and Overburden Rules Update/8-94

Standard Operating Procedures for the Sampling and Analysis of Selenium in Soil and Overburden/
Spill Material, University of Wyoming, College of Agriculture, Bulletin NE-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. Legrand Jones

Denver Laboratory



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4445 FAIRVIEW, DENVER, CO 80239
TEL: (303) 373 4772
FAX: (303) 373 4781

SUNNYVALE-GERRMONTION SOIL

Location : SEDS #1 RASTORFING :
Surface Elevation : Elevation :

Lab No.	Depth	pH	Temp @ 25°C	Calcium mg/L	Magnesium mg/L	Sodium mg/L	Particle Size				Texture Class	Notes
							Sand %	Silt %	Clay %			
72-00758-1		7.36	2.50	20.0	12.4	5.26	1.50	R2	8	10	IDENT BAND	

Method Ref.: Wyoming D.E.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/R-94

Standard Operating Procedures for The Sampling And Analysis of Sediment In Soil And Overburden/
Soil Material, University of Wyoming, College of Agriculture, Bulletin W-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. Reginald Jones
Denver Laboratory



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DENVER, CO 80239

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FAX: (303) 373-4791

March 8, 2000

SUNNYSIDE OPERATIONS

P.O. BOX 159

#1 POWER PLANT ROAD

SUNNYSIDE UT 84539

Sample identification by
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOILS #1 C

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received December 28, 1999

Analysis report no. 72-00759-1

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNITS</u>
Solids	CLPSOW390, PART-F,D-98	97.96	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	8.75	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	0.07	%
Nitrogen, total Kjeldahl	M3512-TKN by Block Digester	0.18	%
Total Organic Carbon	EPA 3.2.14	93.3	%

Readaptively submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

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MARCH 8, 2000

SUNNYSIDE COGENERATION SOIL

Location : STOLLS #1 (CHURCH) Northling :
Surface Elevation : Rating :

Lab No.	Depth	pH	Temp/°C	Saturation %	Calcium mg/l	Magnesium mg/l	Sodium mg/l	Sand %	Silt %	Clay %	Texture Class	Notes
72-00759-1		6.91	12.2+	36.6	21.2	273.	10.0	0.55	82	6	12	SANDY LOAM

PLEASE ADDRESS ALL CORRESPONDENCE TO:
4065 PARKS, B 201 DENVER, CO 80239
TEL: (303) 733-4772
FAX: (303) 733-4771

MAR. -08' 00 (WED) 10:23

COMM AL TEST-LAB

TEL: 373 4791

P. 007

Method Ref.: Wyoming D.E.P., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures for the Sampling And Analysis of Salientum In Soil And Overburden/
Spoil Material, University of Wyoming, College of Agriculture, Bulletin AG-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. David Jones
Denver Laboratory



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March 8, 2000



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SUNNYSIDE COGENERATION

SOIL

 Location : STOKES #1 CREEK
 Surface Elevation :
 Borehole :
 Sampling :

Lab No.	Depth	Total Organic Matter %	Carbonate	Coarse Fragments	ppm		Notes
					Selenium	Selenium	
72-CG753-1	3.74	93.3	0.22	0.31			

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 PLEASE ADDRESS ALL CORRESPONDENCE TO
 4805 PARKS, R 200, DENVER, CO 87239
 TEL: (303) 373-4772
 FAX: (303) 373-4791

Method Ref.: Wyoming D.B.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

 Standard Operating Procedures for the Sampling and Analysis of Selenium in Soil And Overburden/
 Spoil Material, University of Wyoming, College of Agriculture, Bulletin WP-82, March 1994.

 Respectfully submitted,
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FAX: (303) 373 4791

March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location : SUITE 41 CENTER
Surface Elevation :
Boring :

Lab No.	Depth	Total		T.S.		Moist.		I.S.		Pyroorg		Pyroorg		Notes
		Organic	Sulfur	AP	c/1000c	Vol.	c/1000c	AMP.	c/1000c	Calcium	MP	AP	c/1000c	
72-00759-1				1.74	54.3	37.4	-16.9	0.60	18.7	18.6				

Method ref.: Mycology D.E.D., Land Quality Division guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures for the Sampling And Analysis of Selenium In Soil And Overburden/
Spill Material, University of Wyoming, College of Agriculture, Bulletin AP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. David Jones
Denver Laboratory



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TEL: 373 4791

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FAX: (303) 373-4791

SUNNYSIDE COGENERATION SOIL

Location : SPOILS PL CENTRE Northling :
Surface Elevation : Elevation :

Lab No.	Depth	Arsenic		Borate		Boron		Molybdenum		Selenium		XRF-UFPA Selenium		Notes
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
72-00759-1				86.2*		10.2*		0.21		0.31				

COMMERCIAL TEST-LAB

MAR. -08' 00 (WE) 10:24

Method Ref.: Hydrating D.R.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Soil, Overburden, Tailings, Slimes, And Other Materials

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E. J. J. J.
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 FAX: (303) 373-4791

March 8, 2000

 SUNNYSIDE OPERATIONS
 P.O. BOX 159
 #1 POWER PLANT ROAD
 SUNNYSIDE UT 84539

 Sample identification by
 SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOILS #1 W

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Data received December 28, 1999

Analysis report no. 72-00760-1

PARAMETER	METHOD	RESULTS	UNITS
Solids	CLPSOW390, PART-F, D-98	99.08	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	8.58	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	1.17	%
Nitrogen, total Kjeldahl	M3512-TKN by Block Digester	0.22	%
Total Organic Carbon	EPA 3.2.14	96.6	%

 Respectfully submitted,
 COMMERCIAL TESTING & ENGINEERING CO.

 Denver Laboratory

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P. 012

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March 8, 2000

SUNNYSIDE COGENERATION

SOIL

Location : STOLLER #1 WASTEWATER TREATMENT PLANT
Surface Elevation :
Ranking :

Lab No.	Depth	pH	EC mhos/cm @ 25°C	Saturation %	Calcium mg/l	Magnesium mg/l	Sodium mg/l	SNR	Particle Size			Texture Class	Notes
									Sand	Silt	clay		
72-00760-1		7.24	4.74	33.7	24.2	40.6	9.43	1.65	80	8	12	SANDY LOAM	

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4655 PARKWAY, N.W., DENVER, CO 80229
TEL: (303) 373-4172
FAX: (303) 373-4191

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TEL: 303 373 4791

MAR. -08' 00 (WED) 10:24

Method Ref.: Wyoming D.R.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Sediment In Soil And Overburden/
Spoil Material, University Of Wyoming, Laramie, Wyoming, November 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. Regill Jones
Denver Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, THERMALLY AND MECHANICALLY TREATED COAL, PORTS, AND RIVER LOADING FACILITIES
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P. 013

March 9, 2000

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4055 PATRIS, N 200, DENVER, CO 80239
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FAX: (303) 373-4791

SUNNYSIDE COGENERATION SOIL

Location : SPOLTS #1 WASTEWATERING :
Surface Elevation : Rating :

Lab No.	Depth	Total		AN-DICA	
		Organic Matter %	Carbonates	Copper Fragments ppm	Selenium ppm
72-00760-1		6.54	95.6	0.04	0.07

TEL: 303 373 4791

COMMERCIAL TEST-LAB

MAR. -08' 00 (WED) 10:25

Method Ref.: Wyoming D.E.Q., Land Quality Division Goldeline No. 1, Topsoil and Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin NR-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

L. David Jones
Denver Laboratory



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TERMS ARE: 30 DAYS ON REVERSE



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March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location :
Surface Elevation :
Soils #1 West of the :
Basting :

Lab No.	Depths	Total Organic Carbon %	Total Sulfur %	T.S. AP t/1000t	Grav. Pot. t/1000t	T.S. ABP t/1000t	Pyroorg Sulfur %	Pyroorg AP t/1000t	Pyroorg ABP t/1000t	Notes
---------	--------	------------------------------	----------------------	-----------------------	--------------------------	------------------------	------------------------	--------------------------	---------------------------	-------

72-00760-1 1.19 27.1 66.4 29.2

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TEL: (303) 373-4172
FAX: (303) 373-4191

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TEL: 303 373 4791

MAR. -08' 00 (WED) 10:25

Method Ref.: Wyoming D.E.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures for the Sampling and Analysis of Selenium in Soil And Overburden/
Soil Material, University of Wyoming, College of Agriculture, Station MP-82, Winter 1997

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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TERMS ARE 11 DAYS ON RECEIPT



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March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location : STOKES #1 RESERVOIR :
Surface Elevation :
Sampling :

Lab No.	Depth	Arsenic		Nitrate-Nitrogen		Boron		Molybdenum		Selenium		As-DIPA Selenium		Notes
		PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
72-00760-1			37.6		2.15					0.04		0.07		

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MAR. -08' 00 (WED) 10:25

Method Ref.: Wyoming D.R.G., Land Quality Division Guideline No. 1, Topsoil and Overburden Rules Update/8-94

Standard Operating Procedures For the Sampling and Analysis of Selenium in Soil and Overburden/
Soil Material - University of Wyoming College of Engineering and Geosciences

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INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2
Permit Number	ACT/007/035	Report Date 04/13/00
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	Pile Name:	Excess Spoil Disposal Area #2
	Pile Number	N/A
	MSHA ID Number	1211-UT-09-02093-05
Inspection Date	03/21/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000
		Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Field Evaluation		
<p>1. Foundation preparation, including the removal of all organic material and topsoil.</p> <p>Existing disturbed site. No topsoil removal is required by approved plan. SCA is currently in the process of removing accumulated coal fines from the Slurry Pond #2 area for use as fuel.</p>		
<p>2. Placement of underdrains and protective filter systems.</p> <p>Underdrains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and stormwater rerouted to other impoundments.</p>		
<p>3. Installation of final surface drainage systems.</p> <p>N/A</p>		
<p>4. Placement and compaction of fill materials.</p> <p>Placement and compaction of fill material continues in this disposal area. Material consists generally of coarse refuse rejects and is being placed in general conformance with the approved plan. Approximately 7,500 yards of material was placed during the Quarter.</p>		

INSPECTION AND CERTIFIED REPORT
ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Pile #2

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions.

None

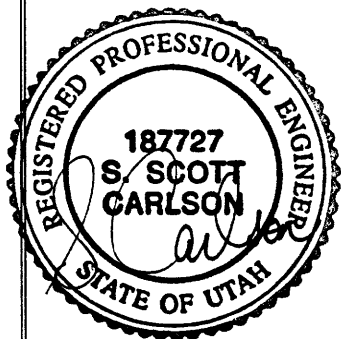
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Both Slurry Pond #1 and Slurry Pond #2 have been approved to be filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

The Clearwater Pond is also part of this disposal area but will continue to function as a sediment pond until such time as it is needed as a disposal site.

Analytical results from samples taken of the material placed in this disposal area are submitted with this quarter's report.

Certification
Statement



I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Project Manager
(Full Name and Title)

Signature: S. Scott Carlson

Date: 04/13/00

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area # 2



Excess Spoil Disposal Area # 2



Excess Spoil Disposal Area # 2 (Slurry Pond 2 Area)

SUNNYSIDE COGENERATION ASSOCIATES - SPOILS AREA SAMPLES - DECEMBER 1999

Sample Site	Spoil #1 E	Spoil #1 C	Spoils #1 W	Spoils #2 C North	Spoils #2 C South
Lab No.	72-00758-1	72-00759-1	72-00760-1	72-00761-1	72-00762-1
Depths					
pH	7.36	6.91	7.24	6.97	7.0
EC (mmhos/cm @ 25 °C)	2.5	12.2	4.74	2.52	2.78
Saturation (%)	28.2	36.6	33.7	28.2	31.9
Calcium (meq/L)	12.0	21.2	24.2	11.2	16.3
Magnesium (meq/L)	12.4	273	40.6	13.4	14.5
Sodium (meq/L)	5.26	10.8	9.43	7.43	7.83
SAR	1.5	0.59	1.65	2.11	1.99
Sand (%)	82	82	80	78	80
Silt (%)	8	6	8	12	8
Clay (%)	10	12	12	10	12
Texture Class	Loamy Sand	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam
Total Sulfur (%)	1.12	1.74	1.19	1.13	0.57
T.S. AP (t/1000t)	35.0	54.3	17.1	35.3	17.8
Neut. Pot. (t/1000t)	38.3	37.4	66.4	86.4	75.8
T.S. ABP (t/1000t)	53.30	-16.9	29.2	51.0	57.9
Nitrate- Nitrogen (ppm)	4.25	86.2	37.6	1.53	1.28
Boron (ppm)	1.66	10.2*	2.16	1.18	1.44
Selenium (ppm)	0.04	0.21	0.04	0.02	0.05
Total Organic Matter (%)					
Carbonates	8.83	3.7	6.64	8.64	7.58

Excess Spoil Area Samples
Overburden Evaluation for Vegetative Root Zone

Parameters	Sample Site			
	Spoils #1 E	Spoils #1 C	Spoils #1 W	Spoils #2 C North
pH	Good	Good	Good	Good
Ec mmhos/cm @ 25 °C	Good	Poor	Good	Fair
Saturation %	Good	Good	Good	Good
Texture	Fair	Good	Good	Good
SAR	Good	Good	Fair	Good
Selenium	Good	Unacceptable	Good	Good
Boron	Good	Unacceptable	Good	Good
Acid / Base Potential	Good	Unacceptable	Good	Good

Parameters	Good	Fair	Poor	Unacceptable
pH	6.1 to 8.2	5.1 to 6.1 8.2 to 8.4	4.5 to 5.0 8.5 to 9.0	< 4.5 > 9.0
Ec mmhos/cm @ 25 °C	0 to 2	2 to 8	8 to 15	> 15
Saturation %	25% to 85%		< 25% > 80%	
Texture	sl, l, sil, scl, vsl, fsl	c, sicl, sc, ls, lfs	sic, s, sc, c, cos, fs, vfs	g, vcoss
SAR	0 to 4	5 to 10	10 to 12 fine texture 10 to 15 coarse texture	12 fine texture 15 coarse texture
Selenium	< 0.1 mg/Kg			> 0.1 mg/Kg
Boron	< 5.0 mg/Kg			> 5.0 mg/Kg
Acid / Base Potential	> -5 tons CaCO ₃ / 1,000 tons material			< -5 tons CaCO ₃ / 1,000 tons material



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FAX: (303) 373-4791

March 8, 2000

SUNNYSIDE OPERATIONS
P.O. BOX 159
#1 POWER PLANT ROAD
SUNNYSIDE UT 84539Sample identification by
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOIL PILE #2 CENTER NORTH

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received January 11, 2000

Analysis report no. 72-00761-1

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNITS</u>
Solids	CLFSOW390, PART-F, D-98	99.73	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	11.6	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	1.82	%
Nitrogen, total Kjeldahl	M3512-TKN by Block Digester	0.22	%
Total Organic Carbon	EPA 3.2.14	99.3	%

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

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OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

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TERMS AND CONDITIONS ON REVERSE

SINCE 1908



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FAX: (303) 373 4791

March 9, 2000

SUNNYSTEDE COOPERATION SOIL

Location : SOUTH PIER #2 CR Pierding :
Surface Elevation : Elevation :

Lab No.	Depth	pH	EC mhos/cm @ 25°C	Saturation Calcium mg/l	Magnesium mg/l	Sodium mg/l	SAP	Particle Size			Texture Class	Notes
								Sand %	Silt %	Clay %		
72-00761-1		6.97	2.52	28.2	11.2	11.3	7.41	2.11	78	12	10	SANDY LOAM

Method Ref.: Wyoming D.B.G., Land Quality Division Guidelines No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Sediment In Soil And Overburden/
Spoil Material, University of Wyoming, College of Agriculture, Bulletin W-82, March 1994.Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David J. Jeco
Denver Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN MINERAL, MINING AREAS, HIGHWAY AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES
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SUNNYSIDE COGENERATION SOIL

Location : STOLT PILES #2 CR Northing :
Surface Elevation : Reading :

Lab No.	Depth	Total Organic Matter %	Carbonator Ingrammils	MO-DEN	
				Copper Selenium FPM	Selenium FPM
72-00761-1	8.64	99.3	0.02	0.04	

Method Ref.: Wyoming D.E.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-34

Standard Operating Procedures for the Sampling And Analysis of Selenium in Soil And Overburden/
Spoil Material, University of Wyoming, College of Agriculture, Bulletin AG-82, March 1994.Report submitted
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

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TERMS: NET 30 DAYS ON RECEIPT

SINCE 1908



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SUNNYSIDE COGENERATION SOIL

PLEASE ADDRESS ALL CORRESPONDENCE TO:
4865 PARKS, B 200, DENVER, CO 80239
TEL: (303) 373-4172
FAX: (303) 373-4171

March 8, 2000

Location : STOLL PILE #7 CR Northwing :
Surface Elevation : Rating :

Lab No.	Depth	Total Organic Carbon %	Total Sulfur %	T.S. AP c/1000c	Reult. Det. c/1000c	T.S. ABR. c/1000c	PyroOrg Sulfur %	PyroOrg AP c/1000c	PyroOrg ABR. c/1000c	Notes
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72-0076L-1

1.13 35.3 86.4 51.0

COMMERCIAL TEST-LAB

MAR. -08' 00 (WED) 10:26

Method Ref.: Wyoming D.E.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin WF-92, March, 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. Aguilera
Denver Laboratory



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TERMS A CONDITIONS ON REVERSE

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

SINCE 1968

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TEL: (303) 373 4172
FAX: (303) 373 4791

March 9, 2000

SUNNYSIDE COGENERATION SOIL

Location : SPOIL PILE #2 CR Sampling :
Surface Elevation : Rating :

Lab No.	Depth	Nitrate-Nitrogen		Boron		Molybdenum		Selenium		MB-DIPA		Notes
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
72-0076L-1			1.53		1.18			0.02		0.04		

TEL: 303 373 4791

COMMERCIAL TEST-LAB

MAR. -08' 00 (WED) 10:26

Method Ref: Wyoming D.E.G., Land Quality Division guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Soil Material, University of Wyoming, College of Agriculture, Bulletin WF-82, March 1998.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

E. J. J. J.



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OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL MINING AREAS, THERMAL AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

TESTING MONITORS ON REVERSE



SINCE 1988

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DENVER, CO 80239
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FAX: (303) 373-4791

March 8, 2000

SUNNYSIDE OPERATIONS
P.O. BOX 159
#1 POWER PLANT ROAD
SUNNYSIDE UT 84539Sample identification by
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOIL FILE #2 CENTER SOUTH

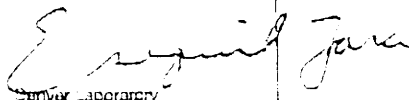
Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received January 11, 2000

Analysis report no. 72-00752-1

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNITS</u>
Solids	CLFSOW390, PART-F,D-98	99.67	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	10.6	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	1.65	%
Nitrogen, total Kjeldahl	MB512-TKN by Block Digester	0.24	%
Total Organic Carbon	EPA 3.2.14	99.1	%

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
Denver LaboratoryMEMBER
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SINCE 1908



COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (303) 373 4791

March 9, 2000

SUNNYSIDE COGENERATION SOIL

Location : SPILL PILE #2 CR Northwing :
Surface Elevation : Rating :

Lab No.	Depth	pH	EC mmhos/cm @ 25°C	Satur- ation %	Calcium mg/L	Magnesium mg/L	Sodium mg/L	SAR	Particle Size			Texture Class	Notes
									Sand	Silt	Clay		
72-00762-1		7.00	2.78	31.9	16.3	14.5	1.03	1.99	80	8	12	SANDY LOAM	

Method Ref.: Wyoming D.E.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Spill Material, University Of Wyoming, College Of Agriculture, Laramie, WY 82061, 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. J. J. J.
DIRECTOR



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TERMS & CONDITIONS ON REVERSE

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

SINCE 1803



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TEL: (303) 373.4712
FAX: (303) 373.4711

MARCH 8, 2000

SUNNYSIDE COOPERATION SOIL

Location : SOIL FROM B2 CR - NORTHING 1
Surface Elevation : Reading :

Lab No.	Depth	Total		Cations		Anions	
		Organic	Water %	Calcium	Barium	Selenium	Phosphorus
72-00762-1				7.58	99.1	0.05	0.06

TEL: 303 373 4791

COMMERCIAL TEST-LAB

MAR. -08:00 (WED) 10:27

Method: Soil Analysis, D.E.B., Land Quality Division Guidelines No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Soil Material, University of Wyoming, College of Agriculture, Laramie, WY 82061, March 1994.

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Signature



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TERMS / CONDITIONS ON REVERSE

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FAX: (303) 373-4791

March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location : Spoil Pile #2 CR Paving :
Surface Elevation : Rating :

Lab No.	Depth	Total Organic Carbon %	Total Sulfur %	T.S. AP C/10000	Reut. Foc. C/10000	T.S. ABF. C/10000	PyroOrg Sulfur %	PyroOrg AP C/10000	PyroOrg ABF. C/10000	Notes

72-00762-1

C.57 L7.8 75.8 57.9

COMMERCIAL TEST-LAB

MAR. -08' 00 (WED) 10:27

Method Ref.: Wyoming D.S.G., Good Quality Division Guideline No. 1, Topsoil And Overburden Bulletin/8-94

Standard Operating Procedures for the Sampling And Analysis of Selenium in Soil And Overburden/
Spoil Material, University of Wyoming, College of Engineering, Bulletin No. 87, March 1988.

Testimony submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

E. J. J. J. J.



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TERMS A. ADDITIONS ON REVERSE

OVER 40 BRANCH LABORATORIES, NATIONWIDE, LOCATED IN URBAN, SUBURBAN AND GREAT LAKES AREAS, AND SPECIALIZED FACILITIES

SINCE 1968

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TEL: (303) 733-0772
FAX: (303) 733-0771

March 8, 2000

SUNNYSIDE COOPERATION SOLLS

Member of the SCS Group (Société Générale de Surveillance)

Location : SOLLS, PIER #3 CR. Berthling :
Surface Elevation : Elevation :

Lab No.	Depth	Mercuric Nitrogen ppm	Normal ppm	Molybdenum ppm	Selenium ppm	As ppm	Chromium ppm	Notes
72-00762-1		1.28	1.43		4.05	0.06		

TEL: 303 373 4791

COMMERCIAL TEST-LAB

MAR. -08' 00 (WED) 10:27

Labbed Ref.: Wyoming D.R.G., Land quality Division Gold-line No. 1, Topsoil And Overburden Pulse Update/8-94

Standard Operating Procedures for the Sampling And Analysis of Selenium in Soil And Overburden/
Soil Material, University of Wyoming, College of Agriculture, Bulletin WP-92, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory



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OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN MINERAL, COAL MINING AREAS, IOWA WATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES